

MOBILITY 1.2.0

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1.0 User Interface

1.1 Menu Bar

File

- Removed non-functioning options → **New** & **Exit** remain available.
- **New** → Displays list of all inventories rather than list of inventories enabled during last Mobility session reducing mouse clicks to add a new inventory.

Edit

- Removed non-functioning and inappropriate options → **Edit Road** remains available.

View

- Removed **Inventories** → Inventories can be toggled on and off by clicking on the check box next to the chosen inventory in the Select Features box (below the Road List) if **Select Features** has been selected in the **View** menu.
- Added **Filter** → See section 1.2 for details of this option.

Reports

- **Custom** is now the top option on the **Reports** drop down menu.

Admin Tools

- **Delete Road** is available here so only users with administrative rights can delete a road.
- **Change Password** is available under Security.

1.2 Road List

Road List Filter

- Filters

- The Road List can be displayed according to filter(s) selected from the **View/Filter** menu option. Currently, there are five filters: **jurisdiction, function class, thru lane pavement type, truck route classification, and ADT**. The filters can be used individually or in combination with each other. Multiple options can also be used with each filter.

- How to Select Filters and Options

- Once the **Road List Filter** form is open (menu option View/Filter), click on a filter you want to use (listed in blue text). A list box opens to display the available options for that filter. Click on the option(s) to enable them. The selected option(s) will be highlighted and also summarized in a separate list box. An option can be de-selected by clicking on it again. You can select additional filter(s) by clicking on a different filter (listed in blue text).
- **ADT** is filtered by entering a number for **ADT Min** and **ADT Max**. If a value is entered for ADT minimum then you must enter a value for ADT maximum and vice versa.
- After the desired filter options have been set, click on **Apply Filter**. The Road List will refresh with roads meeting filter criteria in a **red** font. Clicking on **Clear Filter** will clear all filters and refresh the road list in a black font.
- Click the **Close** button at the bottom of the **Road List Filter** form when the filter is set appropriately.

Note: If a road has one or more segments meeting the filter criteria, all segments of that road will appear in the Feature List.

Tool Bar

- **Filter On** and **Filter Off** have been added to the Tool Bar to toggle the **Road List Filter**.
 - **Filter On** will sort the road list according to the last set filter.
 - **Filter Off** allows the entire Road List to be displayed. It does not clear the filter.

1.3 Feature List

- **ROW Document** – added **Year**
- **Surface Condition** – added **Lane Rated**
- **Crashes** – added **Year** and sort by year

2.0 Inventories

2.1 RoadLog

- **Pavement Code** added to display with Surface Type in Cross Section tab and Pavement Surface in Structure tab.
- Error checking for **On Bicycle Route Plan** for correct data type in Districts/Routes tab.
- Added display of **ROW Width** and error checking in Misc tab.
- **HMA** (Hot Mix Asphalt) is available as a **pavement type**. However, PMS Analysis and Reporting will not reflect this addition for this build.
- **Edit Road** requires significantly more background data maintenance which creates a short delay when saving the record.

2.2 Signs

- **All Directions** is valid Sign Plate Orientation and is available in the drop-down.

2.3 Culverts

- Decimal allowed for culvert **span/diameter**

2.4 Audit Trail

- **Audit Trail** window opens as a separate, pop-up window. This allows the user to re-size the window, move it, open more than one audit trail window and view other inventories while the Audit Trail window is open.
- Clicking on the top of the **Date** column sorts the Audit Trail by date appropriately.
- **Road Number** filter has been added
- Values available for selection in the **Road Number, Jurisdiction, Function Class and User ID** drop-downs are only values that already exist in the Audit Trail. For example, if a road does not have any Audit Trail entries, it will not appear in the Road Number filter list.

2.5 Surface Condition

- **Clone** function – Creates copy of Surface Condition Ratings, Definition, Date and Lanes Rated. Clears From Milepost and To Milepost and allows Road Number change.
- **Auto Increment** – When this check box is selected, Mobility checks the distance between the From Milepost and To Milepost in the first record and creates a new Surface Condition record on the same road with the same segment length when clicking the 'Save' button. The Surface Condition ratings are all re-set so the PSC is 100, but the date, lanes rated, etc. are copied to the new segment.

2.6 Reference Points

- When modifying Reference Points, significantly more background data maintenance is occurring which a few second delay when saving the record.

3.0 Reporting

3.1 New Views

- **qCulvertGuardrail** – lists Culverts located within Guardrail mileposts with associated mileposts
- **qCrashCount** – lists basic Crash information (Road Number, Name, MP, Location) along with the number of crashes at each location.
- **qSignCodes** – lists information for Sign Plates (Legend, Code, Size, Color, Plate Material, Sheeting Material) ordered by Sign Code
- **qStriping** – lists Striping information
- **qSurfaceCondRating** – lists Surface Condition for the most recent rating date

3.2 Modified Views

- **qReferencePoints** - added Direction Back, Direction Ahead & intersecting road milepost
- **qCrashes** – removed Count from qCrashes and created qCrashCount (see above)
- **qRLShort** – added ADT and ADT Year

3.3 Interface

- **Enlarged font** in Query Box in Custom Reports.
- **Time out** problem has been resolved.

- **Query**

After selecting **Query**, a new window called 'Select View' will open, displaying a list of available views. Click on a view and it will be highlighted. The fields in that view will populate the list called 'Select Fields' and the Query Box will show a 'Select * ' query for the view you have selected.

To select specific fields for the query rather than use the 'Select * ' query, click on each field. Notice that the Query Box 'Select' statement changes to reflect the chosen fields. Click on the field again to de-select it. After the desired fields have been selected, you can add a 'where' clause or other SQL parameters.

Click on 'OK' and continue with the reporting tool as in other Mobility releases.

Clicking in the 'Select Fields' list after viewing your data will delete text in the Query Box that has been entered after the view name (usually a 'where' clause or 'order by'). Therefore, if you need to select new or different fields from the 'Select Fields' list after viewing the data, first use the mouse to select any text you have added after the view name in the Query Box and copy it into the clipboard with CTRL-C. Once you have added or changed the fields with the 'Select Fields' box, paste your text back into the Query Box with CTRL-V.

If you prefer to type your query or copy it from a file, we now recommend that ALL field names be put in square brackets [] - even 1-word field names. It will improve the functionality of your reporting.

CRAB recently upgraded our SQL Servers to enhance performance. One of the side-effects of this upgrade is that when using existing report files (.rpx files) you may get an error. You will be prompted to save your report layout, replacing the original with the same name. You will have to do this once for each saved layout. Once the .rpx file has been saved, re-load the layout and continue as before. If you do not save the layout, the report will still work, but you will be prompted to save it again next time you use that layout.

4.0 Security

- **Password Inactive Date** is mandatory entry when adding a new user. **Note:** All existing passwords without an Inactive Date have been set to 12/31/05.
- **Login screen** will not allow users with invalid Inactive Date to log in. This may cause confusion if someone has been working under an account with an inactive date past due because they will not be able to log in with an otherwise valid ID and Password. Administrators may want to check the inactive date if a user cannot log in but is using the right ID and Password.
- Fixed security problems for **ReadOnlyAccess** and **NoAccess** users. New Inventory, Edit Road, Combine and Split are not available for these users.

5.0 Miscellaneous

- **Conditions** can be entered by typing a number (1,3,5,7,9) rather than using the drop-down.
- Users can now add new Sign Plates to the **Sign Plate Type Lookup** table.
- Removed Edit Audit Trail from **Context Menu** (right click in Road List or while on Road Log Segment).
- **Calendars** display as drop down for date fields in Crashes and Surface Condition. Date defaults to current date.
- Upon starting the Mobility application, the screen is sized and positioned correctly.

Contacts and support:

The Mobility Development/Support team can be contacted at any of the following:

mobsupport@crab.wa.gov

Call the Mobility Systems Support team at 360.664.3299 X-243.

Go to the Mobility web site at: <http://www.crab.wa.gov/mobility>

Submit online feedback from:

<http://www.crab.wa.gov/mobility/mob2003bugform.html>

In Mobility: From the Help menu: select Mobility Help.